CLAIMS

WHAT IS CLAIMED IS:

1. An electrical architecture for a vehicle door, comprising:

a first peripheral device;

a second peripheral device;

a third peripheral device; and

a single wiring harness connecting the first and second peripheral devices to the third peripheral device.

2. The architecture according to claim 1, wherein the first peripheral device is a lock subassembly, the second peripheral device is a control module, and the third peripheral device is a door controller.

3. The architecture according to claim 1, wherein the first and second peripheral devices are integrally connected together to form an integral unit.

4. The architecture according to claim 3, wherein the wiring harness has a first end that is molded into at least one of the first and second peripheral devices.

5. The architecture according to claim 3, wherein the integrally connected first and second peripheral devices are separable.

6. The architecture according to claim 5, wherein the first and second peripheral devices are connected together by a breakable connection.

7. The architecture according to claim 6, wherein the breakable connection is a perforated section.

8. The architecture according to claim 6, wherein the breakable connection is at least one connecting tab.

9. The architecture according to claim 5, wherein the wiring harness has a first end that is molded into at least one of the first and second peripheral devices, and wherein the wiring harness comprises a plurality of wires that are separable from each other when the first and second peripheral devices are separated from each other.

10. The architecture according to claim 1, wherein the wiring harness has a first end that is molded into at least one of the first and second peripheral devices.

11. The architecture according to claim 1, further comprising a connector socket that accommodates the wiring harness and that is disposed on at least one of the first and second peripheral devices.

12. The architecture according to claim 1, wherein the wiring harness comprises a plurality of wires that are separable from each other.

13. A vehicle door comprising an electrical architecture comprising:

a lock subassembly;

a control module;

a door controller; and

a single wiring harness connecting the lock subassembly and the control module are connected to the door controller inside the vehicle door.

14. The vehicle door of claim 13, wherein the lock subassembly and the control module are disposed in different locations in the vehicle door.

15. The vehicle door according to claim 13, wherein the first and second peripheral devices are integrally connected together to form an integral unit.

16. The vehicle door according to claim 15, wherein the integral lock subassembly and control module are connected by a breakable connection.

17. The vehicle door according to claim 13, wherein the wiring harness has a first end that is molded into at least one of the lock subassembly and the control module.

18. The vehicle door according to claim 13, wherein the wiring harness comprises a plurality of wires that are separable from each other.

19. The vehicle door according to claim 13, wherein one of the lock subassembly and the control module is disposed in a wet zone of the vehicle door, and the other of the lock subassembly and the control module is disposed in a dry zone of the vehicle door.

20. A method of manufacturing an electrical architecture for a vehicle door, comprising:

placing a first electrical circuit corresponding to a first peripheral device and a second electrical circuit corresponding to a second peripheral device in a mold;

connecting an end of a wiring harness to the first and second electrical circuits in the mold; and

simultaneously molding the first and second electrical circuits to form the first and second peripheral devices.

21. The method according to claim 20, wherein the first and second peripheral devices are integrally connected together, and wherein the method further comprises separating the first and second peripheral devices from each other.

22. The method according to claim 20, wherein the first peripheral device is a lock assembly and the second peripheral device is a control module.